

July 11, 2000 Project No. 97664V3

Ms. Brenda Pohlmann Nevada Division of Environmental Protection 555 E. Washington, Suite 4300 Las Vegas, NV 89101-1049

RE: Results of monthly surface water sampling of the Las Vegas Wash at the Northshore Road bridge.

## **PROVIDING**

- Geotechnical Engineering
- Construction Materials Testing
- Environmental Site Assessments
- Drilling
   Services

Dear Ms. Pohlmann:

Per your request, Geotechnical & Environmental Services, Inc. (GES) obtained a surface water sample from the Las Vegas wash on June 28, 2000 near the Northshore Road Bridge. We sent this sample, under chain-of-custody protocol, to NEL Laboratories (NEL) for laboratory analysis of perchlorate. NEL's analysis revealed a perchlorate concentration of 410 micrograms per Liter ( $\mu$ g/L). The NEL report is included with this letter, along with the Perchlorate Summary Table for 2000.

In addition to the sample we collected and submitted to NEL, a split sample was collected per the request of Mr. Kevin Mayer, with the US Environmental Protection Agency (USEPA). This split sample was collected at the same time and in the same manner as the sample submitted to NEL, and was sent, under chain-of-custody protocol, to the USEPA Laboratory in Richmond, California.

Our services were performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable engineering firms in this or similar localities. No other warranty, either express or implied, is included or intended in this report. We appreciate this opportunity to provide our services. If you have any questions regarding these results, please feel free to call us at 365-1001.

Sincerely,

Geotechnical & Environmental Services, Inc.

Daniel C. Burns, C.E.M.\* #1692 (Expires 10/07/2001)

Project Manager

Gregory P. DeSart, P.E., C.E.M. #1172 (Expires 12/22/2000)

President

\* "I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances."

dir Enc:

2000 Perchlorate Summary Table

**NEL Analytical Report** 

Dist:

1 faxed to addressee at 486-2863 1 original mailed to addressee

cc: fax to Jeff Gibson. American Pacific Corporation

cc: mail to Kevin Mayer, USEPA SFD 72, 75 Hawthorne Street, San Francisco, CA 94105

cc: to project file 97664V3

7560 W. Sahara Ave., Sulte 101 Las Vegas, NV 89117 (702) 365-1001 • Fax (702) 341-7120 www.gesnevada.com

## Las Vegas Wash at Northshore Road Bridge 2000 Summary of Perchlorate Concentrations

Date Sampled	Perchlorate (μg/L)		
1/27/00	569		
2/28/00	720		
3/29/00	870		
4/27/00	750		
5/30/00	740		
6/28/00	410		

## **NEL LABORATORIES**

Reno . Las Vegas Phoenix . So. California

Las Vegas Division 4208 Arcata Way, Suite A . Las Vegas, NV 89030 (702) 657-1010 Fax: (702) 657-1577 1-888-368-3282

CLIENT:

Geotechnical & Env. Serv.

7560 West Sahara Ave. #101

Las Vegas, NV 89117

ATTN:

Dan Burns

PROJECT NAME:

FPF

NEL ORDER ID: L0006328

PROJECT NUMBER: 97664 V3

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 6/28/00.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

Stan Van Wagenen Laboratory Manager

**CERTIFICATIONS:** 

Reno Las Vegas AZ0520 AZ0518

Idaho Montana

Certified Certified NV033

Reno

Certified Certified NV052

Las Vegas S. California

CA084 10228

S. California Arizona AZ0605 California 1707 2002 2264 US Army Corps Certified Certified Nevada of Engineers L.A.C.S.D. **NEL LABORATORIES** 

CLIENT:

Geotechnical & Env. Serv.

PROJECT ID:

PARAMETER

Perchlorate

FPF PROJECT #:

97664 V3

CLIENT ID:

North Shore Road Bridge

DATE SAMPLED: 6/28/00

NEL SAMPLE ID: L0006328-01

TEST:

Inorganic Non-Metals

MATRIX:

Aqueous

REPORTING

RESULT

410

LIMIT 40.

D. F. 10

METHOD EPA 314

UNITS  $\mu g/L$ 

ANALYZED 7/3/00

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

**NEL LABORATORIES** 

CLIENT:

Geotechnical & Env. Serv.

PROJECT ID: PROJECT #:

FPF

97664 V3

CLIENT ID:

Method Blank

DATE SAMPLED: NA

NEL SAMPLE ID: 000703CLO4AQ-BLK

TEST:

Non-Metals

REPORTING

LIMIT D. F. UNITS ANALYZED μg/L ND **EPA 314** 7/3/00

D.F. - Dilution Factor

PARAMETER

Perchlorate

ND - Not Detected

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